BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: (As per sanctioned estimate): Package No.01
(Package consists of 18 works)

4. Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division.

PRE-MEASUREMENT

FOURTH AND FINAL BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :4th & Final Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Drain Desilt										
	Hunse Marad Krishnappa layout										
	5th c/s road (Krishnappa road)										
	RHS										
	0.00	15.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	15.00	30.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	30.00	45.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	45.00	60.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	60.00	75.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	75.00	90.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	90.00	105.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	105.00	120.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	120.00	135.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	135.00	150.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	150.00	165.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	165.00	180.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	180.00	195.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	195.00	210.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	210.00	225.50	R/S	1	15.50	-	-	0.60	0.50	4.65	
	6th c/s road (Krishnappa road)										
	RHS										
	0.00	15.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	15.00	30.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	30.00	45.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	45.00	60.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	60.00	75.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	75.00	90.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	90.00	105.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	105.00	120.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	120.00	135.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	135.00	150.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	150.00	165.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	165.00	180.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	180.00	195.00	R/S	1	15.00	-	-	0.60	0.50	4.50	58.50

Tejus Consultants

Contractor

14.09.2020

Assistant Engineer

Assistant Executive Engine

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
	195.00	210.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	210.00	225.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	225.00	240.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	240.00	255.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	255.00	270.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	270.00	285.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	285.00	300.00	R/S	1	15.00	-	-	0.60	0.50	4.50	
	300.00	315.00	R/S	1	15.00	-	-	0.60	0.50	4.50	105.05
	315.00	321.00	R/S	1	6.00	-	-	0.60	0.50	1.80	
								Total Quantity		163.95	cum

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Hunse Marad Krishnappa layout										
	5th c/s road (Krishnappa road)										
	0.00	11.00		1	11.00	4.40	5.00	4.70	0.30	15.51	
	11.00	15.00		1	4.00	5.00	5.00	5.00	0.30	6.00	
	15.00	30.00		1	15.00	5.00	4.80	4.90	0.30	22.05	
	30.00	45.00		1	15.00	4.80	5.00	4.90	0.30	22.05	
	45.00	52.00		1	7.00	5.00	5.00	5.00	0.30	10.50	
	52.00	55.00		1	3.00	5.00	6.40	5.70	0.30	5.13	
	55.00	60.00		1	5.00	6.40	4.80	5.60	0.30	8.40	
	60.00	75.00		1	15.00	4.80	5.00	4.90	0.30	22.05	
	75.00	90.00		1	15.00	5.00	4.80	4.90	0.30	22.05	
	90.00	105.00		1	15.00	4.80	4.70	4.75	0.30	21.38	
	105.00	120.00		1	15.00	4.70	4.80	4.75	0.30	21.38	
	120.00	135.00		1	15.00	4.80	4.50	4.65	0.30	20.93	
	135.00	150.00		1	15.00	4.50	4.90	4.70	0.30	21.15	
	150.00	165.00		1	15.00	4.90	4.80	4.85	0.30	21.83	
	165.00	178.00		1	13.00	4.80	4.00	4.40	0.30	17.16	
	178.00	195.00		1	17.00	4.00	4.00	4.00	0.30	20.40	
	195.00	210.00		1	15.00	4.00	4.10	4.05	0.30	18.23	
	210.00	228.00		1	18.00	4.10	4.00	4.05	0.30	21.87	318.05
										C/FC	
	6th c/s road (Krishnappa road)										
	0.00	15.00		1	15.00	5.10	4.60	4.85	0.30	21.83	
	15.00	30.00		1	15.00	4.60	4.80	4.70	0.30	21.15	
	30.00	45.00		1	15.00	4.80	4.80	4.80	0.30	21.60	
	45.00	56.00		1	11.00	4.80	5.30	5.05	0.30	16.67	
	56.00	75.00		1	19.00	5.30	5.30	5.30	0.30	30.21	
	75.00	90.00		1	15.00	5.30	4.80	5.05	0.30	22.73	
	90.00	105.00		1	15.00	4.80	4.70	4.75	0.30	21.38	
	105.00	120.00		1	15.00	4.70	4.60	4.65	0.30	20.93	
	120.00	135.00		1	15.00	4.60	4.50	4.55	0.30	20.48	
	135.00	150.00		1	15.00	4.50	4.90	4.70	0.30	21.15	
	150.00	165.00		1	15.00	4.90	5.40	5.15	0.30	23.18	
	165.00	180.00		1	15.00	5.40	4.20	4.80	0.30	21.60	
	180.00	195.00		1	15.00	4.20	4.50	4.35	0.30	19.58	
	195.00	210.00		1	15.00	4.50	4.60	4.55	0.30	20.48	
	210.00	225.00		1	15.00	4.60	4.50	4.55	0.30	20.48	323.40

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
	225.00	236.00		1	11.00	4.50	6.00	5.25	0.30	17.33	
	236.00	242.00		1	6.00	6.00	4.20	5.10	0.30	9.18	
	242.00	255.00		1	13.00	4.20	4.30	4.25	0.30	16.58	
	255.00	270.00		1	15.00	4.30	4.40	4.35	0.30	19.58	
	270.00	285.00		1	15.00	4.40	4.00	4.20	0.30	18.90	
	285.00	300.00		1	15.00	4.00	4.00	4.00	0.30	18.00	
	300.00	325.00		1	25.00	4.00	5.40	4.70	0.30	35.25	134.81
	7th c/s road (Krishnappa road)										
	0.00	6.90		1	6.90	3.50	4.50	4.00	0.30	8.28	
	6.90	30.00		1	23.10	4.50	4.70	4.60	0.30	31.88	
	30.00	45.00		1	15.00	4.70	3.80	4.25	0.30	19.13	
	45.00	60.00		1	15.00	3.80	3.90	3.85	0.30	17.33	
	60.00	75.00		1	15.00	3.90	4.30	4.10	0.30	18.45	
	75.00	90.00		1	15.00	4.30	4.40	4.35	0.30	19.58	
	90.00	105.00		1	15.00	4.40	4.60	4.50	0.30	20.25	
	105.00	120.00		1	15.00	4.60	4.40	4.50	0.30	20.25	
	120.00	135.00		1	15.00	4.40	4.20	4.30	0.30	19.35	
	135.00	150.00		1	15.00	4.20	4.30	4.25	0.30	19.13	
	150.00	165.00		1	15.00	4.30	4.40	4.35	0.30	19.58	
	165.00	180.00		1	15.00	4.40	4.50	4.45	0.30	20.03	
	180.00	195.00		1	15.00	4.50	4.60	4.55	0.30	20.48	
	195.00	210.00		1	15.00	4.60	4.50	4.55	0.30	20.48	
	210.00	221.00		1	11.00	4.50	4.70	4.60	0.30	15.18	229.34
								Total Quantity		**1065.59**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on									
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)									
	Hunse Marad Krishnappa layout									
	5th c/s road (Krishnappa road)									
	0.00	11.00		1	11.00	4.40	5.00	4.70	0.23	11.89
	11.00	15.00		1	4.00	5.00	5.00	5.00	0.23	4.60
	15.00	30.00		1	15.00	5.00	4.80	4.90	0.23	16.91
	30.00	45.00		1	15.00	4.80	5.00	4.90	0.23	16.91
	45.00	52.00		1	7.00	5.00	5.00	5.00	0.23	8.05
	52.00	55.00		1	3.00	5.00	6.40	5.70	0.23	3.93
	55.00	60.00		1	5.00	6.40	4.80	5.60	0.23	6.44
	60.00	75.00		1	15.00	4.80	5.00	4.90	0.23	16.91
	75.00	90.00		1	15.00	5.00	4.80	4.90	0.23	16.91
	90.00	105.00		1	15.00	4.80	4.70	4.75	0.23	16.39
	105.00	120.00		1	15.00	4.70	4.80	4.75	0.23	16.39
	120.00	135.00		1	15.00	4.80	4.50	4.65	0.23	16.04
	135.00	150.00		1	15.00	4.50	4.90	4.70	0.23	16.22
	150.00	165.00		1	15.00	4.90	4.80	4.85	0.23	16.73
	165.00	178.00		1	13.00	4.80	4.00	4.40	0.23	13.16
	178.00	195.00		1	17.00	4.00	4.00	4.00	0.23	15.64
	195.00	210.00		1	15.00	4.00	4.10	4.05	0.23	13.97
	210.00	228.00		1	18.00	4.10	4.00	4.05	0.23	16.77
	6th c/s road (Krishnappa road)									
	0.00	15.00		1	15.00	5.10	4.60	4.85	0.23	16.73
	15.00	30.00		1	15.00	4.60	4.80	4.70	0.23	16.22
	30.00	45.00		1	15.00	4.80	4.80	4.80	0.23	16.56
	45.00	56.00		1	11.00	4.80	5.30	5.05	0.23	12.78
	56.00	75.00		1	19.00	5.30	5.30	5.30	0.23	23.16
	75.00	90.00		1	15.00	5.30	4.80	5.05	0.23	17.42
	90.00	105.00		1	15.00	4.80	4.70	4.75	0.23	16.39
	105.00	120.00		1	15.00	4.70	4.60	4.65	0.23	16.04
	120.00	135.00		1	15.00	4.60	4.50	4.55	0.23	15.70
	135.00	150.00		1	15.00	4.50	4.90	4.70	0.23	16.22
	150.00	165.00		1	15.00	4.90	5.40	5.15	0.23	17.77
	165.00	180.00		1	15.00	5.40	4.20	4.80	0.23	16.56
	180.00	195.00		1	15.00	4.20	4.50	4.35	0.23	15.01
	195.00	210.00		1	15.00	4.50	4.60	4.55	0.23	15.70
	210.00	225.00		1	15.00	4.60	4.50	4.55	0.23	15.70

CFC 243.83

247.94

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
	225.00	236.00		1	11.00	4.50	6.00	5.25	0.23	13.28	
	236.00	242.00		1	6.00	6.00	4.20	5.10	0.23	7.04	
	242.00	255.00		1	13.00	4.20	4.30	4.25	0.23	12.71	
	255.00	270.00		1	15.00	4.30	4.40	4.35	0.23	15.01	
	270.00	285.00		1	15.00	4.40	4.00	4.20	0.23	14.49	
	285.00	300.00		1	15.00	4.00	4.00	4.00	0.23	13.80	
	300.00	325.00		1	25.00	4.00	5.40	4.70	0.23	27.03	C/F 103.35
	7th c/s road (Krishnappa road)										
	0.00	6.90		1	6.90	3.50	4.50	4.00	0.23	6.35	
	6.90	30.00		1	23.10	4.50	4.70	4.60	0.23	24.44	
	30.00	45.00		1	15.00	4.70	3.80	4.25	0.23	14.66	
	45.00	60.00		1	15.00	3.80	3.90	3.85	0.23	13.28	
	60.00	75.00		1	15.00	3.90	4.30	4.10	0.23	14.15	
	75.00	90.00		1	15.00	4.30	4.40	4.35	0.23	15.01	
	90.00	105.00		1	15.00	4.40	4.60	4.50	0.23	15.53	
	105.00	120.00		1	15.00	4.60	4.40	4.50	0.23	15.53	
	120.00	135.00		1	15.00	4.40	4.20	4.30	0.23	14.84	
	135.00	150.00		1	15.00	4.20	4.30	4.25	0.23	14.66	
	150.00	165.00		1	15.00	4.30	4.40	4.35	0.23	15.01	
	165.00	180.00		1	15.00	4.40	4.50	4.45	0.23	15.35	
	180.00	195.00		1	15.00	4.50	4.60	4.55	0.23	15.70	
	195.00	210.00		1	15.00	4.60	4.50	4.55	0.23	15.70	
	210.00	221.00		1	11.00	4.50	4.70	4.60	0.23	11.64	221.83
								Total Quantity		**816.95**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
29	KSRRB M 500-6. Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161. I.No.21.6 of PW.P&IWTD SR 2016-17)										
	Hunse Marad Krishnappa layout										
	5th c/s road (Krishnappa road)										
	0.00	11.00		1	11.00	4.40	5.00	4.70		51.70	
	11.00	15.00		1	4.00	5.00	5.00	5.00		20.00	
	15.00	30.00		1	15.00	5.00	4.80	4.90		73.50	
	30.00	45.00		1	15.00	4.80	5.00	4.90		73.50	
	45.00	52.00		1	7.00	5.00	5.00	5.00		35.00	
	52.00	55.00		1	3.00	5.00	6.40	5.70		17.10	
	55.00	60.00		1	5.00	6.40	4.80	5.60		28.00	
	60.00	75.00		1	15.00	4.80	5.00	4.90		73.50	
	75.00	90.00		1	15.00	5.00	4.80	4.90		73.50	
	90.00	105.00		1	15.00	4.80	4.70	4.75		71.25	
	105.00	120.00		1	15.00	4.70	4.80	4.75		71.25	
	120.00	135.00		1	15.00	4.80	4.50	4.65		69.75	
	135.00	150.00		1	15.00	4.50	4.90	4.70		70.50	
	150.00	165.00		1	15.00	4.90	4.80	4.85		72.75	
	165.00	178.00		1	13.00	4.80	4.00	4.40		57.20	
	178.00	195.00		1	17.00	4.00	4.00	4.00		68.00	
	195.00	210.00		1	15.00	4.00	4.10	4.05		60.75	
	210.00	228.00		1	18.00	4.10	4.00	4.05		72.90	660.15
	6th c/s road (Krishnappa road)										
	0.00	15.00		1	15.00	5.10	4.60	4.85		72.75	
	15.00	30.00		1	15.00	4.60	4.80	4.70		70.50	
	30.00	45.00		1	15.00	4.80	4.80	4.80		72.00	
	45.00	56.00		1	11.00	4.80	5.30	5.05		55.55	
	56.00	75.00		1	19.00	5.30	5.30	5.30		100.70	
	75.00	90.00		1	15.00	5.30	4.80	5.05		75.75	
	90.00	105.00		1	15.00	4.80	4.70	4.75		71.25	
	105.00	120.00		1	15.00	4.70	4.60	4.65		69.75	
	120.00	135.00		1	15.00	4.60	4.50	4.55		68.25	
	135.00	150.00		1	15.00	4.50	4.90	4.70		70.50	
	150.00	165.00		1	15.00	4.90	5.40	5.15		77.25	
	165.00	180.00		1	15.00	5.40	4.20	4.80		72.00	
	180.00	195.00		1	15.00	4.20	4.50	4.35		65.25	
	195.00	210.00		1	15.00	4.50	4.60	4.55		68.25	
	210.00	225.00		1	15.00	4.60	4.50	4.55		68.25	
	225.00	236.00		1	11.00	4.50	6.00	5.25		57.75	
	236.00	242.00		1	6.00	6.00	4.20	5.10		30.60	1166.55

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
	242.00	255.00		1	13.00	4.20	4.30	4.25		55.25	
	255.00	270.00		1	15.00	4.30	4.40	4.35		65.25	
	270.00	285.00		1	15.00	4.40	4.00	4.20		63.00	
	285.00	300.00		1	15.00	4.00	4.00	4.00		60.00	
	300.00	325.00		1	25.00	4.00	5.40	4.70		117.50	
	7th c/s road (Krishnappa road)										
	0.00	6.90		1	6.90	3.50	4.50	4.00		27.60	
	6.90	30.00		1	23.10	4.50	4.70	4.60		106.26	
	30.00	45.00		1	15.00	4.70	3.80	4.25		63.75	
	45.00	60.00		1	15.00	3.80	3.90	3.85		57.75	
	60.00	75.00		1	15.00	3.90	4.30	4.10		61.50	
	75.00	90.00		1	15.00	4.30	4.40	4.35		65.25	
	90.00	105.00		1	15.00	4.40	4.60	4.50		67.50	
	105.00	120.00		1	15.00	4.60	4.40	4.50		67.50	
	120.00	135.00		1	15.00	4.40	4.20	4.30		64.50	
	135.00	150.00		1	15.00	4.20	4.30	4.25		63.75	
	150.00	165.00		1	15.00	4.30	4.40	4.35		65.25	
	165.00	180.00		1	15.00	4.40	4.50	4.45		66.75	
	180.00	195.00		1	15.00	4.50	4.60	4.55		68.25	
	195.00	210.00		1	15.00	4.60	4.50	4.55		68.25	
	210.00	221.00		1	11.00	4.50	4.70	4.60		50.60	
								Total Quantity		**3551.96**	**Sqm**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Hunse Marad Krishnappa layout										
	5th c/s road (Krishnappa road)										
	0.00	11.00		1	11.00	4.40	5.00	4.70		51.70	
	11.00	15.00		1	4.00	5.00	5.00	5.00		20.00	
	15.00	30.00		1	15.00	5.00	4.80	4.90		73.50	
	30.00	45.00		1	15.00	4.80	5.00	4.90		73.50	
	45.00	52.00		1	7.00	5.00	5.00	5.00		35.00	
	52.00	55.00		1	3.00	5.00	6.40	5.70		17.10	
	55.00	60.00		1	5.00	6.40	4.80	5.60		28.00	
	60.00	75.00		1	15.00	4.80	5.00	4.90		73.50	
	75.00	90.00		1	15.00	5.00	4.80	4.90		73.50	
	90.00	105.00		1	15.00	4.80	4.70	4.75		71.25	
	105.00	120.00		1	15.00	4.70	4.80	4.75		71.25	
	120.00	135.00		1	15.00	4.80	4.50	4.65		69.75	
	135.00	150.00		1	15.00	4.50	4.90	4.70		70.50	
	150.00	165.00		1	15.00	4.90	4.80	4.85		72.75	
	165.00	178.00		1	13.00	4.80	4.00	4.40		57.20	
	178.00	195.00		1	17.00	4.00	4.00	4.00		68.00	
	195.00	210.00		1	15.00	4.00	4.10	4.05		60.75	
	210.00	228.00		1	18.00	4.10	4.00	4.05		72.90	
	6th c/s road (Krishnappa road)										
	0.00	15.00		1	15.00	5.10	4.60	4.85		72.75	
	15.00	30.00		1	15.00	4.60	4.80	4.70		70.50	
	30.00	45.00		1	15.00	4.80	4.80	4.80		72.00	
	45.00	56.00		1	11.00	4.80	5.30	5.05		55.55	
	56.00	75.00		1	19.00	5.30	5.30	5.30		100.70	
	75.00	90.00		1	15.00	5.30	4.80	5.05		75.75	
	90.00	105.00		1	15.00	4.80	4.70	4.75		71.25	
	105.00	120.00		1	15.00	4.70	4.60	4.65		69.75	
	120.00	135.00		1	15.00	4.60	4.50	4.55		68.25	
	135.00	150.00		1	15.00	4.50	4.90	4.70		70.50	
	150.00	165.00		1	15.00	4.90	5.40	5.15		77.25	
	165.00	180.00		1	15.00	5.40	4.20	4.80		72.00	
	180.00	195.00		1	15.00	4.20	4.50	4.35		65.25	
	195.00	210.00		1	15.00	4.50	4.60	4.55		68.25	
	210.00	225.00		1	15.00	4.60	4.50	4.55		68.25	
	225.00	236.00		1	11.00	4.50	6.00	5.25		57.75	
	236.00	242.00		1	6.00	6.00	4.20	5.10		30.60	

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work :- Improvement to Roads and Drains at Hunnasemarada Krishnappa Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks / Unit
	Pre-Measurement Recorded on										
	242.00	255.00		1	13.00	4.20	4.30	4.25		55.25	
	255.00	270.00		1	15.00	4.30	4.40	4.35		65.25	
	270.00	285.00		1	15.00	4.40	4.00	4.20		63.00	
	285.00	300.00		1	15.00	4.00	4.00	4.00		60.00	
	300.00	325.00		1	25.00	4.00	5.40	4.70		117.50	
	7th c/s road (Krishnappa road)										
	0.00	6.90		1	6.90	3.50	4.50	4.00		27.60	
	6.90	30.00		1	23.10	4.50	4.70	4.60		106.26	
	30.00	45.00		1	15.00	4.70	3.80	4.25		63.75	
	45.00	60.00		1	15.00	3.80	3.90	3.85		57.75	
	60.00	75.00		1	15.00	3.90	4.30	4.10		61.50	
	75.00	90.00		1	15.00	4.30	4.40	4.35		65.25	
	90.00	105.00		1	15.00	4.40	4.60	4.50		67.50	
	105.00	120.00		1	15.00	4.60	4.40	4.50		67.50	
	120.00	135.00		1	15.00	4.40	4.20	4.30		64.50	
	135.00	150.00		1	15.00	4.20	4.30	4.25		63.75	
	150.00	165.00		1	15.00	4.30	4.40	4.35		65.25	
	165.00	180.00		1	15.00	4.40	4.50	4.45		66.75	
	180.00	195.00		1	15.00	4.50	4.60	4.55		68.25	
	195.00	210.00		1	15.00	4.60	4.50	4.55		68.25	
	210.00	221.00		1	11.00	4.50	4.70	4.60		50.60	
									Total Quantity	**3551.96**	**Sqm**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: (As per sanctioned estimate): Package No.01
(Package consists of 18 works)

5. Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division.

PRE-MEASUREMENT

FOURTH AND FINAL BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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Pre- Measurements

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :4th & Final Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	New BS drain										
	Rachenahalli Circle to Chinmayi school										
	RHS										
	0.00	15.00	L/S	1	15.00			0.60	0.70	6.30	
	15.00	30.00	L/S	1	15.00			0.60	0.70	6.30	
	30.00	45.00	L/S	1	15.00			0.60	0.70	6.30	
	45.00	60.00	L/S	1	15.00			0.60	0.70	6.30	
	60.00	75.00	L/S	1	15.00			0.60	0.70	6.30	
	75.00	90.00	L/S	1	15.00			0.60	0.70	6.30	
	90.00	100.00	L/S	1	10.00			0.60	0.70	4.20	
								Total Quantity		**42.00**	**cum**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	New BS drain										
	Rachenahalli Circle to Chinmayi school										
	RHS										
	0.00	15.00	L/S	1	15.00			1.80		27.00	
	15.00	30.00	L/S	1	15.00			1.80		27.00	
	30.00	45.00	L/S	1	15.00			1.80		27.00	
	45.00	60.00	L/S	1	15.00			1.80		27.00	
	60.00	75.00	L/S	1	15.00			1.80		27.00	
	75.00	90.00	L/S	1	15.00			1.80		27.00	
	90.00	100.00	L/S	1	10.00			1.80		18.00	
								Total Quantity		**180.00**	**Sqm**

Tejus Consultants

Contractor

Assistant Engineer 16.09.2020

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW.P&IWTD S.R 2016-17)										
	Road Portion										
	Parasu Manyatha Apartment to St.Ann's Church										
	0.00	10.00		1	10.00	11.30	11.70	11.50	0.30	34.50	
	10.00	20.00		1	10.00	11.70	10.80	11.25	0.30	33.75	
	20.00	24.00		1	4.00	10.80	9.60	10.20	0.30	12.24	
	24.00	30.00		1	6.00	9.60	9.70	9.65	0.30	17.37	
	30.00	45.00		1	15.00	9.70	10.70	10.20	0.30	45.90	
	45.00	60.00		1	15.00	10.70	10.00	10.35	0.30	46.58	
	60.00	75.00		1	15.00	10.00	10.30	10.15	0.30	45.68	
	75.00	90.00		1	15.00	10.30	9.40	9.85	0.30	44.33	
	90.00	105.00		1	15.00	9.40	9.80	9.60	0.30	43.20	
	105.00	120.00		1	15.00	9.80	9.60	9.70	0.30	43.65	
	120.00	135.00		1	15.00	9.60	8.80	9.20	0.30	41.40	
	135.00	150.00		1	15.00	8.80	9.10	8.95	0.30	40.28	
	150.00	165.00		1	15.00	9.10	8.80	8.95	0.30	40.28	
	165.00	170.00		1	5.00	8.80	11.30	10.05	0.30	15.08	CBRC
	170.00	177.00		1	7.00	11.30	11.00	11.15	0.30	23.42	
	177.00	185.00		1	8.00	11.00	9.00	10.00	0.30	24.00	
	185.00	200.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	200.00	215.00		1	15.00	13.30	10.00	11.65	0.30	52.43	
	215.00	230.00		1	15.00	10.00	9.40	9.70	0.30	43.65	
	230.00	245.00		1	15.00	9.40	9.40	9.40	0.30	42.30	
	245.00	260.00		1	15.00	9.40	9.60	9.50	0.30	42.75	
	260.00	275.00		1	15.00	9.60	9.90	9.75	0.30	43.88	
	275.00	290.00		1	15.00	9.90	9.00	9.45	0.30	42.53	
	290.00	305.00		1	15.00	9.00	8.80	8.90	0.30	40.05	
	305.00	316.00		1	11.00	8.80	8.80	8.80	0.30	29.04	
	316.00	320.00		1	4.00	8.80	10.80	9.80	0.30	11.76	
	320.00	331.00		1	11.00	10.80	10.00	10.40	0.30	34.32	
	331.00	345.00		1	14.00	9.70	10.80	10.25	0.30	43.05	
	345.00	355.00		1	10.00	10.80	10.00	10.40	0.30	31.20	
	355.00	361.00		1	6.00	10.00	11.50	10.75	0.30	19.35	
	361.00	370.00		1	9.00	11.50	11.00	11.25	0.30	30.38	
	370.00	385.00		1	15.00	11.00	8.50	9.75	0.30	43.88	
	385.00	400.00		1	15.00	8.50	8.50	8.50	0.30	38.25	1180.92

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	400.00	417.00		1	17.00	8.50	9.60	9.05	0.30	46.16	
	Approaches										
	Ch 400			1	3.30	4.50	4.50	4.50	0.30	4.46	
	Ch 404			1	3.20	5.50	5.50	5.50	0.30	5.28	
	Ch 410			1	2.30	5.40	5.40	5.40	0.30	3.73	
	Ch 200-215			1	5.20	5.40	5.40	5.40	0.30	8.42	
	Burial ground to Parasu Manyatha Apartment										
	0.00	10.00		1	10.00	8.10	5.00	6.55	0.30	19.65	
	10.00	15.00		1	5.00	5.00	5.80	5.40	0.30	8.10	
	15.00	30.00		1	15.00	5.80	6.70	6.25	0.30	28.13	
	30.00	45.00		1	15.00	6.70	7.20	6.95	0.30	31.28	
	45.00	60.00		1	15.00	7.20	7.30	7.25	0.30	32.63	
	60.00	75.00		1	15.00	7.30	7.50	7.40	0.30	33.30	
	75.00	90.00		1	15.00	7.50	7.70	7.60	0.30	34.20	
	90.00	105.00		1	15.00	7.70	7.90	7.80	0.30	35.10	
	105.00	120.00		1	15.00	7.90	7.50	7.70	0.30	34.65	
	120.00	135.00		1	15.00	7.90	7.50	7.70	0.30	34.65	
	135.00	150.00		1	15.00	7.50	7.60	7.55	0.30	33.98	
	150.00	164.00		1	14.00	7.60	10.40	9.00	0.30	37.80	Deck slab
	164.00	174.00		0	0.00	0.00	0.00	0.00	0.30	0.00	
	174.00	190.00		1	16.00	9.10	8.20	8.65	0.30	41.52	
	190.00	205.00		1	15.00	8.20	8.20	8.20	0.30	36.90	
	205.00	220.00		1	15.00	8.20	8.30	8.25	0.30	37.13	
	220.00	235.00		1	15.00	8.30	8.40	8.35	0.30	37.58	
	235.00	250.00		1	15.00	8.40	8.70	8.55	0.30	38.48	
	250.00	265.00		1	15.00	8.70	9.50	9.10	0.30	40.95	
	265.00	275.00		1	10.00	9.50	11.30	10.40	0.30	31.20	
	275.00	280.00		1	5.00	11.30	12.80	12.05	0.30	18.08	
	280.00	282.00		1	2.00	12.80	14.60	13.70	0.30	8.22	
	282.00	285.00		1	3.00	14.60	18.60	16.60	0.30	14.94	
	Approaches										
	205.00	220.00		1	4.20	12.30	8.20	10.25	0.30	12.92	749.39
	Deduct Flag Pole										-1.93
	Ch:285(3.14*1.43*			-1				6.42	0.30	-1.93	9m perimetr
								Total Quantity		**1928.38**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on									
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)									
	Road Portion									
	Parasu Manyatha Apartment to St.Ann's Church									
	0.00	10.00		1	10.00	11.30	11.70	11.50	0.23	26.45
	10.00	20.00		1	10.00	11.70	10.80	11.25	0.23	25.88
	20.00	24.00		1	4.00	10.80	9.60	10.20	0.23	9.38
	24.00	30.00		1	6.00	9.60	9.70	9.65	0.23	13.32
	30.00	45.00		1	15.00	9.70	10.70	10.20	0.23	35.19
	45.00	60.00		1	15.00	10.70	10.00	10.35	0.23	35.71
	60.00	75.00		1	15.00	10.00	10.30	10.15	0.23	35.02
	75.00	90.00		1	15.00	10.30	9.40	9.85	0.23	33.98
	90.00	105.00		1	15.00	9.40	9.80	9.60	0.23	33.12
	105.00	120.00		1	15.00	9.80	9.60	9.70	0.23	33.47
	120.00	135.00		1	15.00	9.60	8.80	9.20	0.23	31.74
	135.00	150.00		1	15.00	8.80	9.10	8.95	0.23	30.88
	150.00	165.00		1	15.00	9.10	8.80	8.95	0.23	30.88
	165.00	170.00		1	5.00	8.80	11.30	10.05	0.23	11.56
	170.00	177.00		1	7.00	11.30	11.00	11.15	0.23	17.95
	177.00	185.00		1	8.00	11.00	9.00	10.00	0.23	18.40
	185.00	200.00		1	15.00	9.00	9.00	9.00	0.23	31.05
	200.00	215.00		1	15.00	13.30	10.00	11.65	0.23	40.19
	215.00	230.00		1	15.00	10.00	9.40	9.70	0.23	33.47
	230.00	245.00		1	15.00	9.40	9.40	9.40	0.23	32.43
	245.00	260.00		1	15.00	9.40	9.60	9.50	0.23	32.78
	260.00	275.00		1	15.00	9.60	9.90	9.75	0.23	33.64
	275.00	290.00		1	15.00	9.90	9.00	9.45	0.23	32.60
	290.00	305.00		1	15.00	9.00	8.80	8.90	0.23	30.71
	305.00	316.00		1	11.00	8.80	8.80	8.80	0.23	22.26
	316.00	320.00		1	4.00	8.80	10.80	9.80	0.23	9.02
	320.00	331.00		1	11.00	10.80	10.00	10.40	0.23	26.31
	331.00	345.00		1	14.00	9.70	10.80	10.25	0.23	33.01
	345.00	355.00		1	10.00	10.80	10.00	10.40	0.23	23.92
	355.00	361.00		1	6.00	10.00	11.50	10.75	0.23	14.84
	361.00	370.00		1	9.00	11.50	11.00	11.25	0.23	23.29

842.41

Tejus Consultants | Contractor | Assistant Engineer | Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	370.00	385.00		1	15.00	11.00	8.50	9.75	0.23	33.64	
	385.00	400.00		1	15.00	8.50	8.50	8.50	0.23	29.33	
	400.00	417.00		1	17.00	8.50	9.60	9.05	0.23	35.39	98.35
	Approae										
	Ch 400			1	3.30	4.50	4.50	4.50	0.23	3.42	
	Ch 404			1	3.20	5.50	5.50	5.50	0.23	4.05	
	Ch 410			1	2.30	5.40	5.40	5.40	0.23	2.86	
	Ch 200-215			1	5.20	5.40	5.40	5.40	0.23	6.46	
	Burial ground to Parasu Manyatha Apartment										
	0.00	10.00		1	10.00	8.10	5.00	6.55	0.23	15.07	
	10.00	15.00		1	5.00	5.00	5.80	5.40	0.23	6.21	
	15.00	30.00		1	15.00	5.80	6.70	6.25	0.23	21.56	
	30.00	45.00		1	15.00	6.70	7.20	6.95	0.23	23.98	
	45.00	60.00		1	15.00	7.20	7.30	7.25	0.23	25.01	
	60.00	75.00		1	15.00	7.30	7.50	7.40	0.23	25.53	
	75.00	90.00		1	15.00	7.50	7.70	7.60	0.23	26.22	
	90.00	105.00		1	15.00	7.70	7.90	7.80	0.23	26.91	
	105.00	120.00		1	15.00	7.90	7.50	7.70	0.23	26.57	
	120.00	135.00		1	15.00	7.90	7.50	7.70	0.23	26.57	
	135.00	150.00		1	15.00	7.50	7.60	7.55	0.23	26.05	
	150.00	164.00		1	14.00	7.60	10.40	9.00	0.23	28.98	
	164.00	174.00		0	0.00	0.00	0.00	0.00	0.23	0.00	Deck slab
	174.00	190.00		1	16.00	9.10	8.20	8.65	0.23	31.83	
	190.00	205.00		1	15.00	8.20	8.20	8.20	0.23	28.29	
	205.00	220.00		1	15.00	8.20	8.30	8.25	0.23	28.46	
	220.00	235.00		1	15.00	8.30	8.40	8.35	0.23	28.81	
	235.00	250.00		1	15.00	8.40	8.70	8.55	0.23	29.50	
	250.00	265.00		1	15.00	8.70	9.50	9.10	0.23	31.40	
	265.00	275.00		1	10.00	9.50	11.30	10.40	0.23	23.92	
	275.00	280.00		1	5.00	11.30	12.80	12.05	0.23	13.86	
	280.00	282.00		1	2.00	12.80	14.60	13.70	0.23	6.30	
	282.00	285.00		1	3.00	14.60	18.60	16.60	0.23	11.45	
	Approaches										
	205.00	220.00		1	4.20	12.30	8.20	10.25	0.23	9.90	939.14
	Deduct Flag Pole										-1.48
	Ch:285(3.14*1.43*1.43)			-1			6.42		0.23	-1.48	9m perimetr
								Total Quantity		**1478.42**	**Cum**

Tejus Consultants

Contractor

Assistant Engineer

06.10.2020

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
29	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW.P&IWTD SR 2016-17)										
	Parasu Manyatha Apartment to St.Ann's Church										
	0.00	10.00		1	10.00	11.30	11.70	11.50		115.00	
	10.00	20.00		1	10.00	11.70	10.80	11.25		112.50	
	20.00	24.00		1	4.00	10.80	9.60	10.20		40.80	
	24.00	30.00		1	6.00	9.60	9.70	9.65		57.90	
	30.00	45.00		1	15.00	9.70	10.70	10.20		153.00	
	45.00	60.00		1	15.00	10.70	10.00	10.35		155.25	
	60.00	75.00		1	15.00	10.00	10.30	10.15		152.25	
	75.00	90.00		1	15.00	10.30	9.40	9.85		147.75	
	90.00	105.00		1	15.00	9.40	9.80	9.60		144.00	
	105.00	120.00		1	15.00	9.80	9.60	9.70		145.50	
	120.00	135.00		1	15.00	9.60	8.80	9.20		138.00	
	135.00	150.00		1	15.00	8.80	9.10	8.95		134.25	
	150.00	165.00		1	15.00	9.10	8.80	8.95		134.25	
	165.00	170.00		1	5.00	8.80	11.30	10.05		50.25	
	170.00	177.00		1	7.00	11.30	11.00	11.15		78.05	
	177.00	185.00		1	8.00	11.00	9.00	10.00		80.00	
	185.00	200.00		1	15.00	9.00	9.00	9.00		135.00	
	200.00	215.00		1	15.00	13.30	10.00	11.65		174.75	
	215.00	230.00		1	15.00	10.00	9.40	9.70		145.50	
	230.00	245.00		1	15.00	9.40	9.40	9.40		141.00	
	245.00	260.00		1	15.00	9.40	9.60	9.50		142.50	
	260.00	275.00		1	15.00	9.60	9.90	9.75		146.25	
	275.00	290.00		1	15.00	9.90	9.00	9.45		141.75	
	290.00	305.00		1	15.00	9.00	8.80	8.90		133.50	
	305.00	316.00		1	11.00	8.80	8.80	8.80		96.80	
	316.00	320.00		1	4.00	8.80	10.80	9.80		39.20	
	320.00	331.00		1	11.00	10.80	10.00	10.40		114.40	
	331.00	345.00		1	14.00	9.70	10.80	10.25		143.50	
	345.00	355.00		1	10.00	10.80	10.00	10.40		104.00	
	355.00	361.00		1	6.00	10.00	11.50	10.75		64.50	
	361.00	370.00		1	9.00	11.50	11.00	11.25		101.25	
	370.00	385.00		1	15.00	11.00	8.50	9.75		146.25	
	385.00	400.00		1	15.00	8.50	8.50	8.50		127.50	
	400.00	417.00		1	17.00	8.50	9.60	9.05		153.85	4090.25

Tejus Consultants

Contractor

Assistant Engineer

20.12.2020

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	Approaches										
	Ch 400			1	3.30	4.50	4.50	4.50		14.85	
	Ch 404			1	3.20	5.50	5.50	5.50		17.60	
	Ch 410			1	2.30	5.40	5.40	5.40		12.42	
	Ch 200-215			1	5.20	5.40	5.40	5.40		28.08	
	Burial ground to Parasu Manyatha Apartment										
	0.00	10.00		1	10.00	8.10	5.00	6.55		65.50	
	10.00	15.00		1	5.00	5.00	5.80	5.40		27.00	
	15.00	30.00		1	15.00	5.80	6.70	6.25		93.75	
	30.00	45.00		1	15.00	6.70	7.20	6.95		104.25	
	45.00	60.00		1	15.00	7.20	7.30	7.25		108.75	
	60.00	75.00		1	15.00	7.30	7.50	7.40		111.00	
	75.00	90.00		1	15.00	7.50	7.70	7.60		114.00	
	90.00	105.00		1	15.00	7.70	7.90	7.80		117.00	
	105.00	120.00		1	15.00	7.90	7.50	7.70		115.50	
	120.00	135.00		1	15.00	7.90	7.50	7.70		115.50	
	135.00	150.00		1	15.00	7.50	7.60	7.55		113.25	
	150.00	164.00		1	14.00	7.60	10.40	9.00		126.00	
	164.00	174.00		0	0.00	0.00	0.00	0.00		0.00	
	174.00	190.00		1	16.00	9.10	8.20	8.65		138.40	
	190.00	205.00		1	15.00	8.20	8.20	8.20		123.00	
	205.00	220.00		1	15.00	8.20	8.30	8.25		123.75	
	220.00	235.00		1	15.00	8.30	8.40	8.35		125.25	
	235.00	250.00		1	15.00	8.40	8.70	8.55		128.25	
	250.00	265.00		1	15.00	8.70	9.50	9.10		136.50	
	265.00	275.00		1	10.00	9.50	11.30	10.40		104.00	
	275.00	280.00		1	5.00	11.30	12.80	12.05		60.25	
	280.00	282.00		1	2.00	12.80	14.60	13.70		27.40	
	282.00	285.00		1	3.00	14.60	18.60	16.60		49.80	
	Approaches										
	205.00	220.00		1	4.20	12.30	8.20	10.25		43.05	2344.10
	Deduct Flag Pole										
	Ch:285(3.14*1.43*1.43)			-1		6.42				-6.42	
								Total Quantity		6427.93	Sqm

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.066(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on									
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)									
	For Laying BM									
	Parasu Manyatha Apartment to St.Ann's Church									
	0.00	10.00		1	10.00	11.30	11.70	11.50		115.00
	10.00	20.00		1	10.00	11.70	10.80	11.25		112.50
	20.00	24.00		1	4.00	10.80	9.60	10.20		40.80
	24.00	30.00		1	6.00	9.60	9.70	9.65		57.90
	30.00	45.00		1	15.00	9.70	10.70	10.20		153.00
	45.00	60.00		1	15.00	10.70	10.00	10.35		155.25
	60.00	75.00		1	15.00	10.00	10.30	10.15		152.25
	75.00	90.00		1	15.00	10.30	9.40	9.85		147.75
	90.00	105.00		1	15.00	9.40	9.80	9.60		144.00
	105.00	120.00		1	15.00	9.80	9.60	9.70		145.50
	120.00	135.00		1	15.00	9.60	8.80	9.20		138.00
	135.00	150.00		1	15.00	8.80	9.10	8.95		134.25
	150.00	165.00		1	15.00	9.10	8.80	8.95		134.25
	165.00	170.00		1	5.00	8.80	11.30	10.05		50.25
	170.00	177.00		1	7.00	11.30	11.00	11.15		78.05
	177.00	185.00		1	8.00	11.00	9.00	10.00		80.00
	185.00	200.00		1	15.00	9.00	9.00	9.00		135.00
	200.00	215.00		1	15.00	13.30	10.00	11.65		174.75
	215.00	230.00		1	15.00	10.00	9.40	9.70		145.50
	230.00	245.00		1	15.00	9.40	9.40	9.40		141.00
	245.00	260.00		1	15.00	9.40	9.60	9.50		142.50
	260.00	275.00		1	15.00	9.60	9.90	9.75		146.25
	275.00	290.00		1	15.00	9.90	9.00	9.45		141.75
	290.00	305.00		1	15.00	9.00	8.80	8.90		133.50
	305.00	316.00		1	11.00	8.80	8.80	8.80		96.80
	316.00	320.00		1	4.00	8.80	10.80	9.80		39.20
	320.00	331.00		1	11.00	10.80	10.00	10.40		114.40
	331.00	345.00		1	14.00	9.70	10.80	10.25		143.50
	345.00	355.00		1	10.00	10.80	10.00	10.40		104.00
	355.00	361.00		1	6.00	10.00	11.50	10.75		64.50
	361.00	370.00		1	9.00	11.50	11.00	11.25		101.25
	370.00	385.00		1	15.00	11.00	8.50	9.75		146.25
	385.00	400.00		1	15.00	8.50	8.50	8.50		127.50

3936

Tejus Consultants | Contractor | Assistant Engineer | Assistant Executive Engi

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	400.00	417.00		1	17.00	8.50	9.60	9.05		153.85	
	Approaches										
	Ch 400			1	3.30	4.50	4.50	4.50		14.85	
	Ch 404			1	3.20	5.50	5.50	5.50		17.60	
	Ch 410			1	2.30	5.40	5.40	5.40		12.42	
	Ch 200-215			1	5.20	5.40	5.40	5.40		28.08	
	Burial ground to Parasu Manyatha Apartment										
	174.00	190.00		1	16.00	9.10	8.20	8.65		138.40	
	190.00	205.00		1	15.00	8.20	8.20	8.20		123.00	
	205.00	220.00		1	15.00	8.20	8.30	8.25		123.75	
	220.00	235.00		1	15.00	8.30	8.40	8.35		125.25	
	235.00	250.00		1	15.00	8.40	8.70	8.55		128.25	
	250.00	265.00		1	15.00	8.70	9.50	9.10		136.50	
	265.00	275.00		1	10.00	9.50	11.30	10.40		104.00	
	275.00	280.00		1	5.00	11.30	12.80	12.05		60.25	
	280.00	282.00		1	2.00	12.80	14.60	13.70		27.40	
	282.00	285.00		1	3.00	14.60	18.60	16.60		49.80	1243.40
	Approaches										
	205.00	220.00		1	4.20	12.20	8.20	10.20		42.84	
	Deduct Flag Pole										
	Ch:285(3.14*1.43*1.43)			-1		6.42				-6.42	
	For Laying BC										
	Parasu Manyatha Apartment to St.Ann's Church										
	0.00	10.00		1	10.00	11.30	11.70	11.50		115.00	
	10.00	20.00		1	10.00	11.70	10.80	11.25		112.50	
	20.00	24.00		1	4.00	10.80	9.60	10.20		40.80	
	24.00	30.00		1	6.00	9.60	9.70	9.65		57.90	
	30.00	45.00		1	15.00	9.70	10.70	10.20		153.00	
	45.00	60.00		1	15.00	10.70	10.00	10.35		155.25	
	60.00	75.00		1	15.00	10.00	10.30	10.15		152.25	
	75.00	90.00		1	15.00	10.30	9.40	9.85		147.75	
	90.00	105.00		1	15.00	9.40	9.80	9.60		144.00	
	105.00	120.00		1	15.00	9.80	9.60	9.70		145.50	
	120.00	135.00		1	15.00	9.60	8.80	9.20		138.00	
	135.00	150.00		1	15.00	8.80	9.10	8.95		134.25	
	150.00	165.00		1	15.00	9.10	8.80	8.95		134.25	
	165.00	170.00		1	5.00	8.80	11.30	10.05		50.25	
	170.00	177.00		1	7.00	11.30	11.00	11.15		78.05	
	177.00	185.00		1	8.00	11.00	9.00	10.00		80.00	1838.75

20.12.2020

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	185.00	200.00		1	15.00	9.00	9.00	9.00		135.00	
	200.00	215.00		1	15.00	13.30	10.00	11.65		174.75	
	215.00	230.00		1	15.00	10.00	9.40	9.70		145.50	
	230.00	245.00		1	15.00	9.40	9.40	9.40		141.00	
	245.00	260.00		1	15.00	9.40	9.60	9.50		142.50	
	260.00	275.00		1	15.00	9.60	9.90	9.75		146.25	
	275.00	290.00		1	15.00	9.90	9.00	9.45		141.75	
	290.00	305.00		1	15.00	9.00	8.80	8.90		133.50	
	305.00	316.00		1	11.00	8.80	8.80	8.80		96.80	
	316.00	320.00		1	4.00	8.80	10.80	9.80		39.20	
	320.00	331.00		1	11.00	10.80	10.00	10.40		114.40	
	331.00	345.00		1	14.00	9.70	10.80	10.25		143.50	
	345.00	355.00		1	10.00	10.80	10.00	10.40		104.00	
	355.00	361.00		1	6.00	10.00	11.50	10.75		64.50	
	361.00	370.00		1	9.00	11.50	11.00	11.25		101.25	
	370.00	385.00		1	15.00	11.00	8.50	9.75		146.25	
	385.00	400.00		1	15.00	8.50	8.50	8.50		127.50	
	400.00	417.00		1	17.00	8.50	9.60	9.05		153.85	2231.50
	Approaches										
	Ch 400			1	3.30	4.50	4.50	4.50		14.85	
	Ch 404			1	3.20	5.50	5.50	5.50		17.60	
	Ch 410			1	2.30	5.40	5.40	5.40		12.42	
	Ch 200-215			1	5.20	5.40	5.40	5.40		28.08	
	Burial ground to Parasu Manyatha Apartment										
	0.00	10.00		1	10.00	8.10	5.00	6.55		65.50	
	10.00	15.00		1	5.00	5.00	5.80	5.40		27.00	
	15.00	30.00		1	15.00	5.80	6.70	6.25		93.75	
	30.00	45.00		1	15.00	6.70	7.20	6.95		104.25	
	45.00	60.00		1	15.00	7.20	7.30	7.25		108.75	
	60.00	75.00		1	15.00	7.30	7.50	7.40		111.00	
	75.00	90.00		1	15.00	7.50	7.70	7.60		114.00	
	90.00	105.00		1	15.00	7.70	7.90	7.80		117.00	
	105.00	120.00		1	15.00	7.90	7.50	7.70		115.50	
	120.00	135.00		1	15.00	7.90	7.50	7.70		115.50	
	135.00	150.00		1	15.00	7.50	7.60	7.55		113.25	
	150.00	164.00		1	14.00	7.60	10.40	9.00		126.00	
	164.00	174.00		0	0.00	0.00	0.00	0.00		0.00	
	174.00	190.00		1	16.00	9.10	8.20	8.65		138.40	
	190.00	205.00		1	15.00	8.20	8.20	8.20		123.00	
	205.00	220.00		1	15.00	8.20	8.30	8.25		123.75	
	220.00	235.00		1	15.00	8.30	8.40	8.35		125.25	
	235.00	250.00		1	15.00	8.40	8.70	8.55		128.25	

Tejus Consultants | Contractor | Assistant Engineer | Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division											
BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
	250.00	265.00		1	15.00	8.70	9.50	9.10		136.50	
	265.00	275.00		1	10.00	9.50	11.30	10.40		104.00	
	275.00	280.00		1	5.00	11.30	12.80	12.05		60.25	
	280.00	282.00		1	2.00	12.80	14.60	13.70		27.40	
	282.00	285.00		1	3.00	14.60	18.60	16.60		49.80	
	Approaches										
	205.00	220.00		1	4.20	12.30	8.20	10.25		43.05	421
	Deduct Flag Pole										
	Ch:285(3.14*1.43* 1.43)			-1		6.42				-6.42	
											11650.60
								Total Quantity		**11644.15**	**Sqm**

Tejus Consultants Contractor Assistant Engineer Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
E1	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with										
	Parasu Manyatha Apartment to St.Ann's Church										
	0.00	10.00		1	10.00	11.30	11.70	11.50	0.05	5.75	
	10.00	20.00		1	10.00	11.70	10.80	11.25	0.05	5.63	
	20.00	24.00		1	4.00	10.80	9.60	10.20	0.05	2.04	
	24.00	30.00		1	6.00	9.60	9.70	9.65	0.05	2.90	
	30.00	45.00		1	15.00	9.70	10.70	10.20	0.05	7.65	
	45.00	60.00		1	15.00	10.70	10.00	10.35	0.05	7.76	
	60.00	75.00		1	15.00	10.00	10.30	10.15	0.05	7.61	
	75.00	90.00		1	15.00	10.30	9.40	9.85	0.05	7.39	
	90.00	105.00		1	15.00	9.40	9.80	9.60	0.05	7.20	
	105.00	120.00		1	15.00	9.80	9.60	9.70	0.05	7.28	
	120.00	135.00		1	15.00	9.60	8.80	9.20	0.05	6.90	
	135.00	150.00		1	15.00	8.80	9.10	8.95	0.05	6.71	
	150.00	165.00		1	15.00	9.10	8.80	8.95	0.05	6.71	
	165.00	170.00		1	5.00	8.80	11.30	10.05	0.05	2.51	
	170.00	177.00		1	7.00	11.30	11.00	11.15	0.05	3.90	
	177.00	185.00		1	8.00	11.00	9.00	10.00	0.05	4.00	
	185.00	200.00		1	15.00	9.00	9.00	9.00	0.05	6.75	
	200.00	215.00		1	15.00	13.30	10.00	11.65	0.05	8.74	
	215.00	230.00		1	15.00	10.00	9.40	9.70	0.05	7.28	
	230.00	245.00		1	15.00	9.40	9.40	9.40	0.05	7.05	
	245.00	260.00		1	15.00	9.40	9.60	9.50	0.05	7.13	
	260.00	275.00		1	15.00	9.60	9.90	9.75	0.05	7.31	
	275.00	290.00		1	15.00	9.90	9.00	9.45	0.05	7.09	
	290.00	305.00		1	15.00	9.00	8.80	8.90	0.05	6.68	
	305.00	316.00		1	11.00	8.80	8.80	8.80	0.05	4.84	
	316.00	320.00		1	4.00	8.80	10.80	9.80	0.05	1.96	
	320.00	331.00		1	11.00	10.80	10.00	10.40	0.05	5.72	
	331.00	345.00		1	14.00	9.70	10.80	10.25	0.05	7.18	
	345.00	355.00		1	10.00	10.80	10.00	10.40	0.05	5.20	
	355.00	361.00		1	6.00	10.00	11.50	10.75	0.05	3.23	
	361.00	370.00		1	9.00	11.50	11.00	11.25	0.05	5.06	
	370.00	385.00		1	15.00	11.00	8.50	9.75	0.05	7.31	

190.45

Tejus Consultants Contractor Assistant Engineer Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Rachenahali Circle to Burial Ground in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Chainage										
	Pre-Measurement Recorded on										
	385.00	400.00		1	15.00	8.50	8.50	8.50	0.05	6.38	
	400.00	417.00		1	17.00	8.50	9.60	9.05	0.05	7.69	
	Approaches										
	Ch 400			1	3.30	4.50	4.50	4.50	0.05	0.74	
	Ch 404			1	3.20	5.50	5.50	5.50	0.05	0.88	
	Ch 410			1	2.30	5.40	5.40	5.40	0.05	0.62	
	Ch 200-			1	5.20	5.40	5.40	5.40	0.05	1.40	
	Burial ground to Parasu Manyatha Apartment										
	174.00	190.00		1	16.00	9.10	8.20	8.65	0.05	6.92	
	190.00	205.00		1	15.00	8.20	8.20	8.20	0.05	6.15	
	205.00	220.00		1	15.00	8.20	8.30	8.25	0.05	6.19	
	220.00	235.00		1	15.00	8.30	8.40	8.35	0.05	6.26	
	235.00	250.00		1	15.00	8.40	8.70	8.55	0.05	6.41	
	250.00	265.00		1	15.00	8.70	9.50	9.10	0.05	6.83	
	265.00	275.00		1	10.00	9.50	11.30	10.40	0.05	5.20	
	275.00	280.00		1	5.00	11.30	12.80	12.05	0.05	3.01	
	280.00	282.00		1	2.00	12.80	14.60	13.70	0.05	1.37	
	282.00	285.00		1	3.00	14.60	18.60	16.60	0.05	2.49	
	Approaches										
	205.00	220.00		1	4.20	12.20	8.20	10.20	0.05	2.14	70.64
	Deduct Flag Pole										
	Ch:285(3.14*1.43*1.43)			-1		6.42			0.05	-0.32	
								Total Quantity		260.81	
								Quantity Limited to		258.99	Cum

Tejus Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: (As per sanctioned estimate): Package No.01
(Package consists of 18 works)

6. Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

PRE-MEASUREMENT

FOURTH AND FINAL BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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Pre- Measurements

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Sub Division

Bill No :4th & Final Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301										
	Bhuvaneshwari Nagar										
	17th Cross Road										
	0.00	7.00		1	7.00	2.00	2.80	2.40	0.30	5.04	
	7.00	15.00		1	8.00	2.80	2.40	2.60	0.30	6.24	
	15.00	30.00		1	15.00	2.40	3.50	2.95	0.30	13.28	
	30.00	45.00		1	15.00	3.50	3.65	3.58	0.30	16.09	
	45.00	60.00		1	15.00	3.65	3.80	3.73	0.30	16.76	
	60.00	75.00		1	15.00	3.80	3.10	3.45	0.30	15.53	
	75.00	90.00		1	15.00	3.10	3.05	3.08	0.30	13.84	
	90.00	105.00		1	15.00	3.10	1.60	2.35	0.30	10.58	
	105.00	120.00		1	15.00	1.60	1.25	1.43	0.30	6.41	
	120.00	127.00		1	7.00	1.25	4.80	3.03	0.30	6.35	
	127.00	156.00		1	29.00	4.80	5.00	4.90	0.30	42.63	
	156.00	175.00		1	19.00	5.00	2.80	3.90	0.30	22.23	
	175.00	190.00		1	15.00	2.80	5.50	4.15	0.30	18.68	
	190.00	216.00		1	26.00	5.50	5.10	5.30	0.30	41.34	
	216.00	247.00		1	31.00	5.10	3.30	4.20	0.30	39.06	
	247.00	265.00		1	18.00	3.30	2.55	2.93	0.30	15.80	289.84
								Total Quantity		**289.84**	**Cum**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Bhuvaneshwari Nagar										
	17th Cross Road										
	0.00	7.00		1	7.00	2.00	2.80	2.40	0.23	3.86	
	7.00	15.00		1	8.00	2.80	2.40	2.60	0.23	4.78	
	15.00	30.00		1	15.00	2.40	3.50	2.95	0.23	10.18	
	30.00	45.00		1	15.00	3.50	3.65	3.58	0.23	12.33	
	45.00	60.00		1	15.00	3.65	3.80	3.73	0.23	12.85	
	60.00	75.00		1	15.00	3.80	3.10	3.45	0.23	11.90	
	75.00	90.00		1	15.00	3.10	3.05	3.08	0.23	10.61	
	90.00	105.00		1	15.00	3.10	1.60	2.35	0.23	8.11	
	105.00	120.00		1	15.00	1.60	1.25	1.43	0.23	4.92	
	120.00	127.00		1	7.00	1.25	4.80	3.03	0.23	4.87	
	127.00	156.00		1	29.00	4.80	5.00	4.90	0.23	32.68	
	156.00	175.00		1	19.00	5.00	2.80	3.90	0.23	17.04	
	175.00	190.00		1	15.00	2.80	5.50	4.15	0.23	14.32	
	190.00	216.00		1	26.00	5.50	5.10	5.30	0.23	31.69	
	216.00	247.00		1	31.00	5.10	3.30	4.20	0.23	29.95	
	247.00	265.00		1	18.00	3.30	2.55	2.93	0.23	12.11	
										222.21	**Cum**

Consultants

Contractor

12.08.2020

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
29	KSRRB M 500-6. Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW.P&IWTD SR 2016-17)										
	Bhuvaneshwari Nagar										
	17th Cross Road										
	0.00	7.00		1	7.00	2.00	2.80	2.40		16.80	
	7.00	15.00		1	8.00	2.80	2.40	2.60		20.80	
	15.00	30.00		1	15.00	2.40	3.50	2.95		44.25	
	30.00	45.00		1	15.00	3.50	3.65	3.58		53.63	
	45.00	60.00		1	15.00	3.65	3.80	3.73		55.88	
	60.00	75.00		1	15.00	3.80	3.10	3.45		51.75	
	75.00	90.00		1	15.00	3.10	3.05	3.08		46.13	
	90.00	105.00		1	15.00	3.10	1.60	2.35		35.25	
	105.00	120.00		1	15.00	1.60	1.25	1.43		21.38	
	120.00	127.00		1	7.00	1.25	4.80	3.03		21.18	
	127.00	156.00		1	29.00	4.80	5.00	4.90		142.10	
	156.00	175.00		1	19.00	5.00	2.80	3.90		74.10	
	175.00	190.00		1	15.00	2.80	5.50	4.15		62.25	
	190.00	216.00		1	26.00	5.50	5.10	5.30		137.80	
	216.00	247.00		1	31.00	5.10	3.30	4.20		130.20	
	247.00	265.00		1	18.00	3.30	2.55	2.93		52.65	
								Total Quantity		**966.13**	**Sqm**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
30	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec. Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	Bhuvaneshwari Nagar										
	17th Cross Road										
	0.00	15.00		1	15.00	6.20	6.40	6.30		94.50	
	15.00	30.00		1	15.00	6.40	7.00	6.70		100.50	
	30.00	45.00		1	15.00	7.00	6.00	6.50		97.50	
	45.00	60.00		1	15.00	6.00	5.80	5.90		88.50	
	60.00	75.00		1	15.00	5.80	5.70	5.75		86.25	
	75.00	90.00		1	15.00	5.70	6.00	5.85		87.75	
	90.00	105.00		1	15.00	6.00	5.40	5.70		85.50	
	105.00	120.00		1	15.00	5.40	4.70	5.05		75.75	
	120.00	133.50		1	13.50	4.70	4.90	4.80		64.80	
	133.50	148.50		1	15.00	4.90	5.20	5.05		75.75	
	148.50	163.50		1	15.00	5.20	4.30	4.75		71.25	
	163.50	181.00		1	17.50	4.30	5.40	4.85		84.88	
	181.00	201.00		1	20.00	5.40	4.30	4.85		97.00	
	201.00	214.00		1	13.00	4.30	4.50	4.40		57.20	
	214.00	230.00		1	16.00	4.50	4.60	4.55		72.80	
	230.00	245.00		1	15.00	4.60	5.30	4.95		74.25	
	245.00	252.00		1	7.00	5.30	4.80	5.05		35.35	
	252.00	261.50		1	9.50	4.80	4.70	4.75		45.13	
									Total	**1394.65**	
									Deduct Prime coat	**-966.13**	
									Total Quantity	**428.53**	**Sqm**
										428.52	

CJFC

Consultants

Contractor

Assistant Engineer 17.3.2021

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvement of Drains and Asphalting to Road at Bhuvaneshwarinagara Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit
	Pre-Measurement Recorded on										
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW.P&IWTD SR of 2016-17)										
	Bhuvaneshwari Nagar										
	17th Cross Road										
	0.00	15.00		1	15.00	6.20	6.40	6.30		94.50	
	15.00	30.00		1	15.00	6.40	7.00	6.70		100.50	
	30.00	45.00		1	15.00	7.00	6.00	6.50		97.50	
	45.00	60.00		1	15.00	6.00	5.80	5.90		88.50	
	60.00	75.00		1	15.00	5.80	5.70	5.75		86.25	
	75.00	90.00		1	15.00	5.70	6.00	5.85		87.75	
	90.00	105.00		1	15.00	6.00	5.40	5.70		85.50	
	105.00	120.00		1	15.00	5.40	4.70	5.05		75.75	
	120.00	133.50		1	13.50	4.70	4.90	4.80		64.80	
	133.50	148.50		1	15.00	4.90	5.20	5.05		75.75	
	148.50	163.50		1	15.00	5.20	4.30	4.75		71.25	
	163.50	181.00		1	17.50	4.30	5.40	4.85		84.88	
	181.00	201.00		1	20.00	5.40	4.30	4.85		97.00	
	201.00	214.00		1	13.00	4.30	4.50	4.40		57.20	
	214.00	230.00		1	16.00	4.50	4.60	4.55		72.80	
	230.00	245.00		1	15.00	4.60	5.30	4.95		74.25	
	245.00	252.00		1	7.00	5.30	4.80	5.05		35.35	
	252.00	261.50		1	9.50	4.80	4.70	4.75		45.13	
								Total Quantity		**1394.65**	**Sqm**

Consultants

Contractor

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner